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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : **Confirmation No. 7022**  
Mitsuaki OSHIMA et al. : Attorney Docket No. 2000\_1328  
Serial No. 09/672,946 : Group Art Unit 2634  
Filed September 29, 2000 : Examiner Dac V. Ha  
COMMUNICATION SYSTEM : **Mail Stop: AMENDMENT**

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Patentees request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- each U.S. Patent and U.S. Patent application publication;
- each reference previously cited in the international application  
PCT/\_\_\_\_\_ ; and/or
- each reference previously cited in prior parent application Serial No.  
\_\_\_\_\_.

1a.  This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b.  This Information Disclosure Statement is submitted  
after the events of above paragraph 1a and prior to the mailing date of a final Office  
Action or a Notice of Allowance or an action which otherwise closes prosecution in the  
application, and thus:  
(1)  the certification of paragraph 2 below is provided, **or**  
(2)  the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c.  This Information Disclosure Statement is submitted:  
after the mailing date of a final Office Action or Notice of Allowance or action which  
otherwise closes prosecution in the application, and prior to payment of the issue fee, and  
thus:  
**the certification of paragraph 2 below is provided, and**  
**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

- a.  that items AJ-AN of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b.  that items AA-AB of information contained in the Information Disclosure Statement were not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, were not known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3.  Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

- a.  a full or partial English language translation submitted herewith,
- b.  two foreign patent office actions submitted herewith,
- c.  the concise explanation contained in the specification of the present application at page,
- d.  the concise explanation set forth in the attached English language abstract,
- e.  the concise explanation set forth below or on a separate sheet attached to the reference:

**JP 4-322592 corresponds to US 5,105,442 previously filed in an Information Disclosure Statement on September 29, 2000 and EP 0485108 previously filed in an Information Disclosure Statement on September 29, 2000**

**JP 62-502932 corresponds to WO 86/07223 previously filed in an Information Disclosure Statement on September 26, 2002**

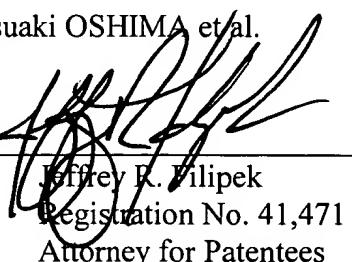
- 5.  Two foreign patent office actions citing one or more of the references is enclosed.
- 6.  Statement Under 37 CFR 1.704(d)

Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart application, and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Mitsuaki OSHIMA et al.

By



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March 15, 2007

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: March 15, 2007

ATTY DOCKET NO.  
2000\_1328SERIAL NO.  
09/672,946

MAR 15 2007

APPLICANT  
Mitsuaki OSHIMA et al.FILING DATE  
September 29, 2000GROUP  
2634

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE    | NAME          | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|----|-----------------|---------|---------------|-------|----------|----------------------------|
|                   | AA | 5,210,770       | 5-11-93 | Rice          |       |          |                            |
|                   | AB | 5,519,730       | 5-21-96 | Jasper et al. |       |          |                            |
|                   | AC |                 |         |               |       |          |                            |
|                   | AD |                 |         |               |       |          |                            |
|                   | AE |                 |         |               |       |          |                            |
|                   | AF |                 |         |               |       |          |                            |
|                   | AG |                 |         |               |       |          |                            |
|                   | AH |                 |         |               |       |          |                            |
|                   | AI |                 |         |               |       |          |                            |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NUMBER | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES<br>NO |
|--|----|-----------------|----------|---------|-------|----------|-----------------------|
|  | AJ | 3-13145         | 1-22-91  | Japan   |       |          | abstract              |
|  | AK | 4-322592        | 11-12-92 | Japan   |       |          | abstract              |
|  | AL | 63-253738       | 10-20-88 | Japan   |       |          | abstract              |
|  | AM | 62-502932       | 11-19-87 | Japan   |       |          | abstract              |
|  | AN | 58-107740       | 6-27-83  | Japan   |       |          | abstract              |

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

|    |  |
|----|--|
| AO |  |
| AP |  |
| AQ |  |

EXAMINER

DATE CONSIDERED